

CLAIMS

What is claimed is:

1. An emitter array for a display device having a plurality of pixels, at least one emitter in each pixel having substantially a same height as a corresponding pixel in another emitter of said emitter display, a material for each emitter comprising amorphous silicon.
2. The array of claim 1, wherein said display device is a field emission display device.
3. The array of claim 2, wherein said at least one emitter has a size ranging from about 1.5 microns to about 1.7 microns.
4. The array of claim 3, wherein said at least one emitter has a size of about 1.6 microns.
5. The array of claim 4, wherein said size of all emitters in said display device ranges from about 1.5 microns to about 1.7 microns.
6. The array of claim 1, wherein a size of all emitters ranges from about 3.25 % to within 9.5 % of each other.
7. The array of claim 6, wherein said size of all emitters is within about 0.5 % of each other.
8. An emitter array having a plurality of pixels, at least one emitter in each pixel having substantially a same height as a corresponding pixel in another emitter of said emitter display, a material for each emitter comprising amorphous silicon.

9. The array of claim 8, wherein said display device is a field emission display device.
10. The array of claim 9, wherein said at least one emitter has a size ranging from about 1.5 microns to about 1.7 microns.
11. The array of claim 10, wherein said at least one emitter has a size of about 1.6 microns.
12. The array of claim 11, wherein said size of all emitters in said display device ranges from about 1.5 microns to about 1.7 microns.
13. The array of claim 8, wherein a size of all emitters ranges from about 3.25 % to within 9.5 % of each other.
14. The array of claim 13, wherein said size of all emitters is within about 0.5 % of each other.